SERVICE MANUAL



US Model Canadian Model AFP Model UK Model E Model Australian Model D-40

Discman

SPECIFICATIONS

CD section

System Laser diode properties

Frequency response

Output (at 9V input level)

Compact disc digital audio system Material: GaAlAs Wavelength: 780 nm

Emission duration: Continuous Laser output: Less than 44.6 µW

(This output is the value mesured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.) 20-20 000 Hz 1 dB

Line output (stereo minijack) Output level 1V rms at 47kilohms Load impedance over 10 kilohms

Headphones (stereo minijack) 9mW+9mW at 32 ohms

Power requirements

Power consumption

Supplied accessories

Dimension

Weight

Supplied:

- · Rechargeable battery pack BP-3
- . DC IN 9V jack accepts the Sony AC power adaptor for use on 120V AC, 60Hz (US, Canadian) for use on 220V/240V AC. 50Hz (AEP. UK. E Australian)

Optional:

- Sony EBP-3 battery case using four size AA (LR6) batteries, 6V (supplied: UK)
- · DC IN 9V accepts:

Sony CPM-100P mount plate for use on 12V car battery 1.2W DC

Approx. 136×36.8×147 mm (51/4×11/2×57/4 in.) (w/h/d) not incl. inclined part (depth), projecting parts and controls Approx. 137.5×38.8×149 mm (51/2×11/16×57/6 in.) (w/h/d)

incl. projecting parts and controls

Approx. 480 g (1 lb 1 oz) net Approx. 655 g (1 lb 7 oz) incl. rechargeable battery pack

AC power adaptor (1)

Rechargeable battery pack (1)

Connecting cord (1)

Carrying case (1)

Carrying belt (hand belt: French) (1)

Headphone (1) (UK)

AC plug adaptor (1) (E)

Supplied battery pack Output voltage

Capacity Dimensions Weight

1000 m A/h

Approx. 31.3×17.3×118.6 mm (11/4×11/16×41/4 in.) (w/h/d)

Approx. 180 g (62/4 oz)

Charging time/Battery life

Charging time	Continuos disc playing time		
8 hours (fully charged)	approx. 4 hours		
5 hours (90% charged)	approx. 3.5 hours		

- Notes on charging
 For charging, use only the supplied AC power adaptor. If not, the player will be
- The CD player can also be operated during charging. In this case, approx. 24 hours are necessary for a full charge. However, when the CD player does not operate normally, stop it and charge the unit for a while.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



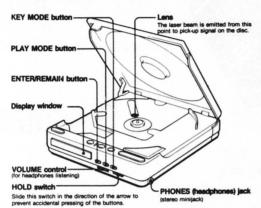
COMPACT DISC COMPACT PLAYER SONY

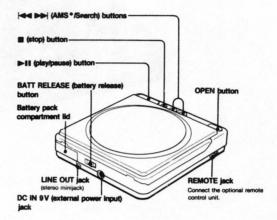
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SECTION 1 GENERAL

LOCATION AND FUNCTION OF CONTROLS





* AMS is an abbreviation of Automatic Music Sensor

SECTION 2 SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK A OR DOTTED LINE WITH MARK A ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE A SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

Before Replacing the Optical Block

Please be sure to check thoroughly the parameters as par the "Optical Block Checking Procedures" (Part No.: 9-960-027-11) issued separately before replacing the optical block. Note and specifications required to check are given below.

- FOK output: IC501 pin
 When checking FOK, remove the lead wire to disc motor and unsolder and open IC801 pin (FOK).
- S carve P-to-P value: 3Vp-p
 When checking S carve P-to-P value, remove the lead wire
 to disc motor,
- · Adjusted part for focus gain adjustment: RV501
- RF signal P-to-P value: 0.7 1.25Vp-p
- · Traverse signal P-to-P value: 1,5Vp-p
- · The repairing grating holder is impossible.
- · Adjusted part for tracking gain adjustment: RV502

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270° C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Notes on chip component replacement

- · Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat,

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block, Therefore, when checking the laser diode emission, observe more than 25cm away from the objective lens.

Laser Diode Check Procedure

The laser diode on this set will not emit unless the top panel is closed and S801 (leaf SW type) is turned on. The laser diode will always emit even if focus search is not performed in service mode.

The laser diode is checked using the current value which flows to the laser diode inside the optical pick-up block.

Procedure 1 (service mode or normal operation)

Check the laser diode emission with the eye.

- 1. Open upper panel.
- 2. S801 on as Fig. 1.

(In service mode, this operation is not necessary.)

3. Press the ▶ key.

(In service mode, this operation is not necessary.)

4. Observe the objective lens and confirm that the laser diode is emitting light. At this time, the laser diode goes on about 10 seconds due to focus serarch. If it does not, APC circuit or optical pick-up block is defective.

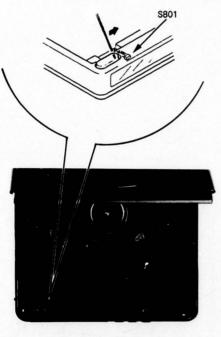
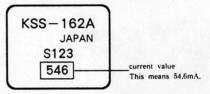


Fig.1 Turning S801 on

Procedrue 2 (service mode or normal operation)

Check by the current with flows in the laser diode.

- 1. Close the top panel.
- Remove the main board and read the current value on the label affixed to the UPF. (Label on optical pick-up block)



The current value varies with the set.

- 3. Connect a VOM as shown in Fig. 2.
- 4. Press the | key.
- 5. Calculate the current by the VOM reading.

 VOM reading (V) ÷10=current (A)

 ex. VOM reading=0.56V

 0.56÷10=0.056 (A) =56 (mA)
- Confirm that the ammeter reading is within the range given below.
 value on label: mA (25℃)
 variation relative to temperature: 0.4mA/℃

(Current increases when temperature rises and decreases when it drops.)

If the value is more than the range give, APC circuit has been defeating or the laser didde has deteriorated.

If the value is more than the range give, APC circuit has been defective or the laser diode has deteriorated. If it is less, APC circuit or optical pick-up block is defective.

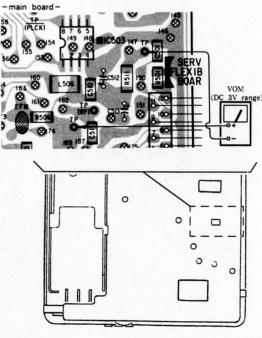


Fig.2 VOM Connection

SERVICE MODE (service program)

This set has built-in service program in the microcomputer as usual sets.

The operation method of service program is explained below.

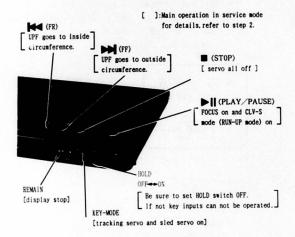


Fig.3 Key Positions

· Step 1 (Service Mode setting method)

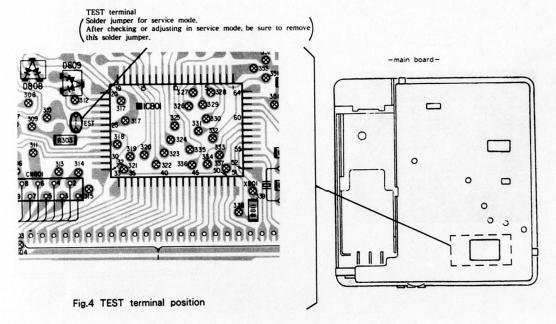
- Turn the HOLD switch OFF with the external power supply not plugged in (no power applied to set) and press the >1 key.
- Solder jumper TEST terminal. (IC801 pin (TEST) is grounded.)
- Plug in external power supply.
 This puts the set into service mode.

· Step 2 (Service Mode operation)

- When service mode is set, the display will change 6 times, and those 6 changes will be repeated over and
 - With this the LCD display should be present in service mode, Even if LCD dose not display, other operations will be performed.
- When → or ← key is pressed, the UPF moves to the inside or outside circumference. Tracking servo and sled servo go off when this is done, so press KEY-MODE to turn on the tracking servo if necessary.
- When REMAIN is pressed, the display stops. When REMAIN is released, the display continues to change. This allows check of each segment.
- 4. When ► Key is pressed, CLV-S (pull-in mode) starts while performing focus search. When there is no disc installed, focus search is repeated several times while disc motor is rotating.
- When KEY-MODE is pressed, tracking servo, sled servo and CLV-A (servo during PLAY) go ON.
- 6. When 4 and 5 are performed, the disc begins to play. At this time, the top panel should be closed and S801 are to be ON. A sound is not produced as muting is ON.
- All servo (focus, tracking, sled and spindle) go off when key is pressed.

· Step 3 (Service Mode release)

- First be sure to unplug the external power supply, then remove the solder jumper TEST terminal.
- 2. The set will now operated normally.



SECTION 3 ELECTRICAL ADJUSTMENTS

Notes on Adjustment

- Perform adjustments except for RECHARGEABLE VOLTAGE ADJUSTMENT in service mode.
 Be sure to release service mode after completing adjustment.
- (Refer to "Service Mode (service program)" on page 4.)
 2. Perform adjustments in the order given.
- Use YEDS-18 disc (part No.: 3-702-101-01) unless otherwise indicated.
- Power supply voltage: DC 9V HOLD switch: OFF

PREPARATION

Put the set into service mode (See page 4.) and perform the following checks. Repair if there are any abnormalities,

· Sled Motor Check

- 1. Press the OPEN button and open the top panel.
- Press the M. We keys and make sure that the opticl pickup block moves smoothly, without catching, from the inmost → outmost → inmost circumference.
 - ► opticl pick-up block moves outward

 opticl pick-up block moves inward

· Focus Search Check

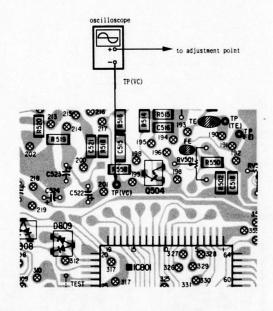
- 1. Press the OPEN button and open the top panel.
- 2. Press the ▶ || key. (Focus search is performed continuously.)
- Observe the opticl pick-up block objective lens and check that it moves smoothly up and down with no catching or noises.
- Press the key.
 Check that focus search operation stops, If it does not, press the key again.

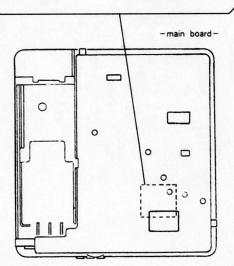
VC (1/2 Vcc) Connecting Point

FOCUS BIAS ADJUSTMENT

TRACKING BALANCE ADJUSTMENT

When the adjustments above are performed, connect the \ominus side of oscilloscope to the point below.



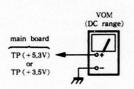


VC connecting point

5.3V Adjustment

Adjustment Procedure:

- 1. Put the set into service mode (see page 4).
- 2. Connect the VOM to main board test point TP(+5.3V).
- 3. Adjust RV401 for 5.2V-5.3V reading on the VOM.
- 4. After adjustment, release service mode (see page 4).



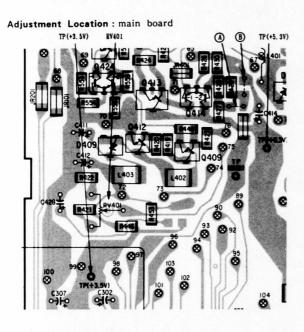
3.5V Adjustment

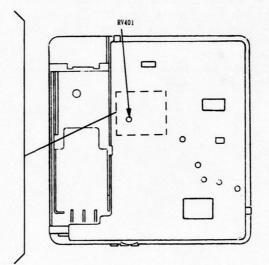
Adjustment Procedure:

- 1. Put the set into service mode (see page 4).
- 2. Connect the VOM to main board test point TP(+3.5V).
- Adjust the pattern connection (A) or (B) to obtain 3.45V to 3.6V reading on the VOM.

pattern con	nection	VOM reading		
(A)	B	. S reading		
0	×	down		
×	×	+		
×	0			
0	0	up		
Outhors	V			

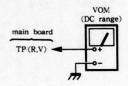
4. After adjustment, release service mode (see page 4).





Rechargeable Voltage Adjustment

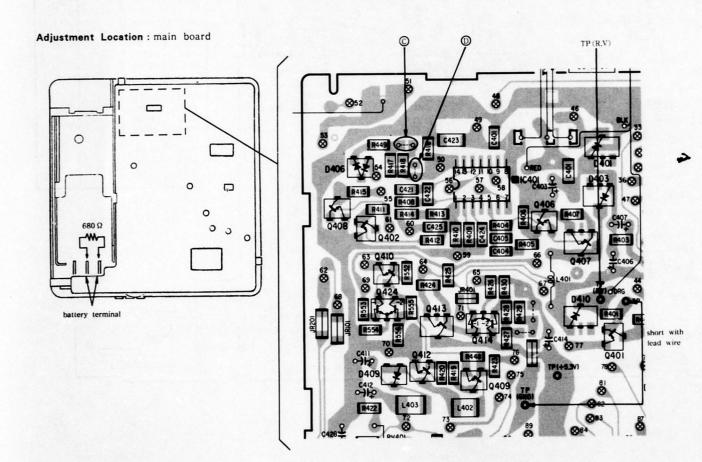
Adjustment Procedure:



- 1. Connect the VOM to main board test point TP(R,V).
- 2. Short between the Q401 base and GND, Connect a $680\,\Omega$ resistor between pin 2 and pin 3 of battery terminal as shown below.
- Apply DC 9V with requrated dc power supply from external power jack CNJ401.
- Adjust the pattern connection(♥or♥) to obtain 7.25 to 7.47V reading on the VOM.

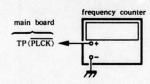
pattern connection	VOM reading	
© © O or ×	VOM reading	
O	down	
× 0		
× ×	up	

Note: Measure after the VOM reading becomes stable.



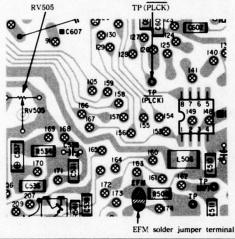
PLL Free Run Frequency Check and Adjustment

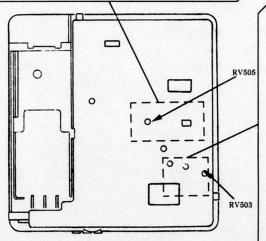
Check/Adjustment Procedure:



- Disconnect EFM solder jumper terminal in the diagram below.
- Connect a frequency counter to main board test point TP(PLCK).
- 3. Put the set into service mode (See page 4).
- Check that the frequency counter reading is 4.31±0.01 MHz. If not, adjust RV505 so that it is 4.31±0.01MHz.
- 5. After adjustment, release service mode (see page 4).
- 6. Short the jumper terminal disconnected in step 1.

Check / Adjustment Location : main board



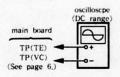


Tracking Balance Adjustment

Conditions :

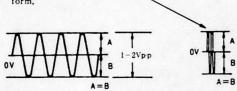
The set should be placed either horizontally.

Adjustment Procedure:



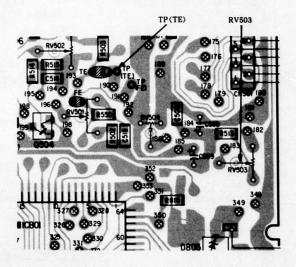
- 1. Connect the oscilloscope to main board TP(TE).
- 2. Put the set into service mode (See page 6).
- Press the M and M keys to move the optic! pick-up block to the center.
- 4. Insert the disc (YEDS-18) and close the top panel.
- 5. Press the ▶II kev.
 - It will go from focus search to focus on, and CLV pull-in mode state. Tracking and sled are OFF.
- Adjust RV503 so that the oscilloscope wavaform is symmetrical on the top and bottom in relation to OV.

Note: Take sweep time as long as possible to obtain best waveform.



- Unplug the external power supply to stop spindle motor from rotating.
- 8. After adjustment, release service mode (see page 4).

Adjustment Location: main board

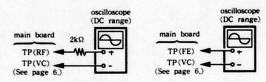


Focus Bias Adjustment

Conditions :

The set should be placed either horizontally.

Adjustment Procedure :



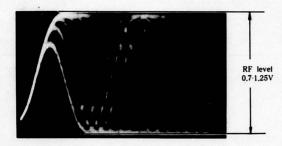
- 1. Put the set into service mode (See page 4).
- Connect the oscilloscope to main board test point TP(RF).
- Press the M and M key to move the optical pick-up block to the center. (Move the optical pick-up block to the music area on the disc to enable easy visibility of the eye pattern).
- 4. Insert the disc (YEDS-18) and close the top panel.
- 5. Press the | key.

(It will go from focus search to focus on, and CLV pull-in mode state, Tracking and sled are OFF.)

- 6. Press the KEY-MODE button. (Tracking and sled go ON.)
- Adjust RV504 so that the oscilloscope waveform eye pattern is good. A good eye pattern means that the diamond shape (\$\iff \text{)}\$ in the center of the waveform can be clearly distinguished.

· RF Signal Reference Waveform (eye pattern)

VOLT/DIV: 200mV TIME/DIV: 500nS



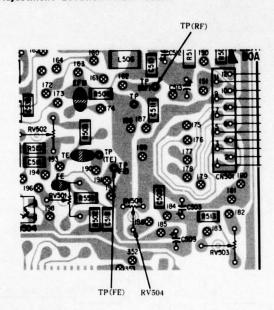
When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

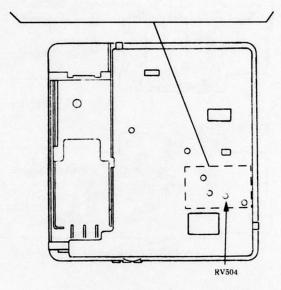
- Unplug the external power supply to stop spindle motor from rotating.
- Remove the disc and connect the oscilloscope to main board TP(FE).
- 10. Adjust RV503 again refering to the table followed.

voltage of TP(FE)	adjustment							
more than +100mV	Not adjust again,							
+50 to 100mV	Adjust RV503 again for +100mV reading on oscilloscpe,							
less than +50mV	Not adjust again.							

11. After adjustment, release service mode (see page 6).

Adjustment Location: main board





Reference

Focus/Tracking Gain Adjustment

A frequency responce analyzer or CD jig is necessary in order to perform this adjustment exactly.

However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perfrom this adjustment.

Focus / tracking gain determines the pick-up followup (vertical and horizontal) relative to mechanical noise and metchnical shock when the 2-axis device operate.

However, as these reciprocate, the adjustment is at the point where both are satisfied.

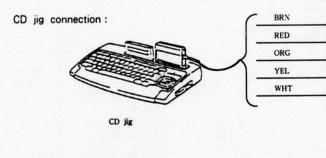
- When gain is high, the noise when the 2-axis device operates increases.
- When gain is low, it is more susceptible to mechanical shock and skipping occurs more easily.

This adjustment is to be performed when replacing the following parts:

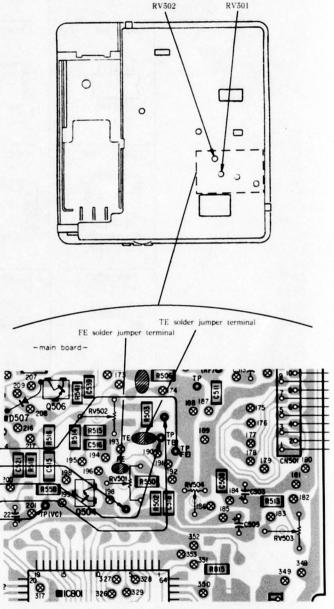
- · UPF (optical pick-up block)
- · RV501 (focus gain volume)
- · RV502 (tracking gain volume)

On this set, it is very difficult to simplify this adjustment. For those sets on which symptoms such as "occasional skipping" are hard to discover, or it is hard to tell if the set has been repaired, use the CD jig and perform this adjustment. Refer to the diagram below for connection of the CD jig. The adjustment procedure is described in the separate CD jig Instruction Manual.

Please be careful no to move RV501 (focus gain volume), RV502 (tracking gain volume) ordinarily.



Remove the solder jumpers at the TE and FE locations and connect the CD jig.



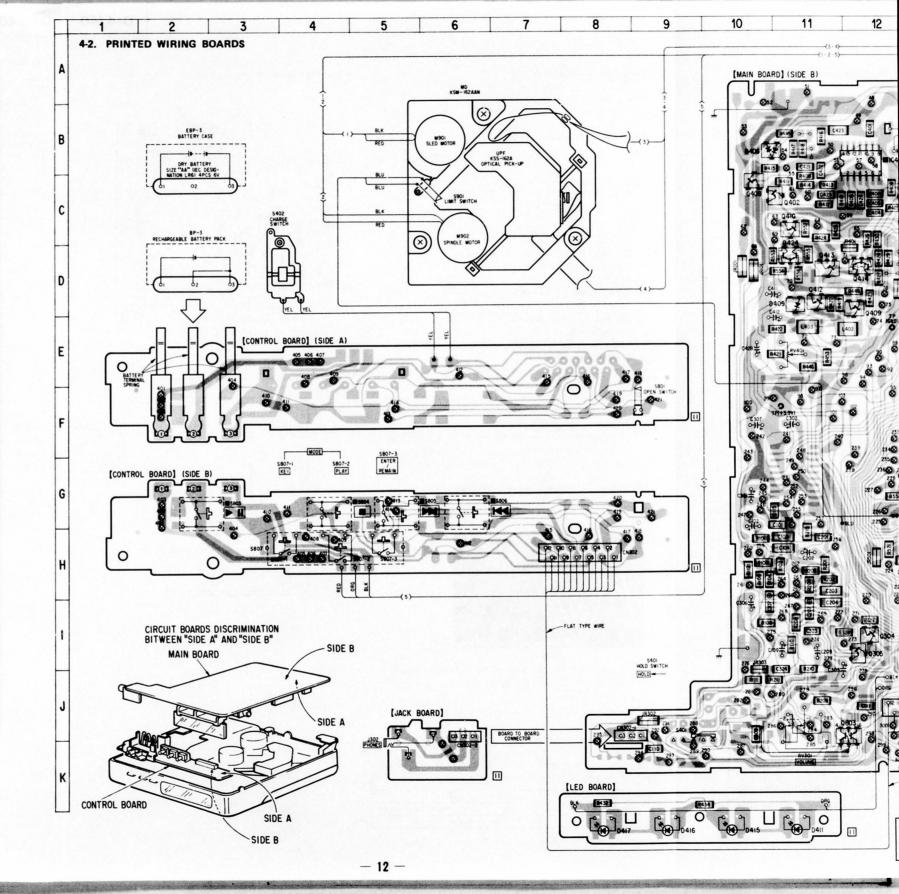
SECTION 4 DIAGRAMS

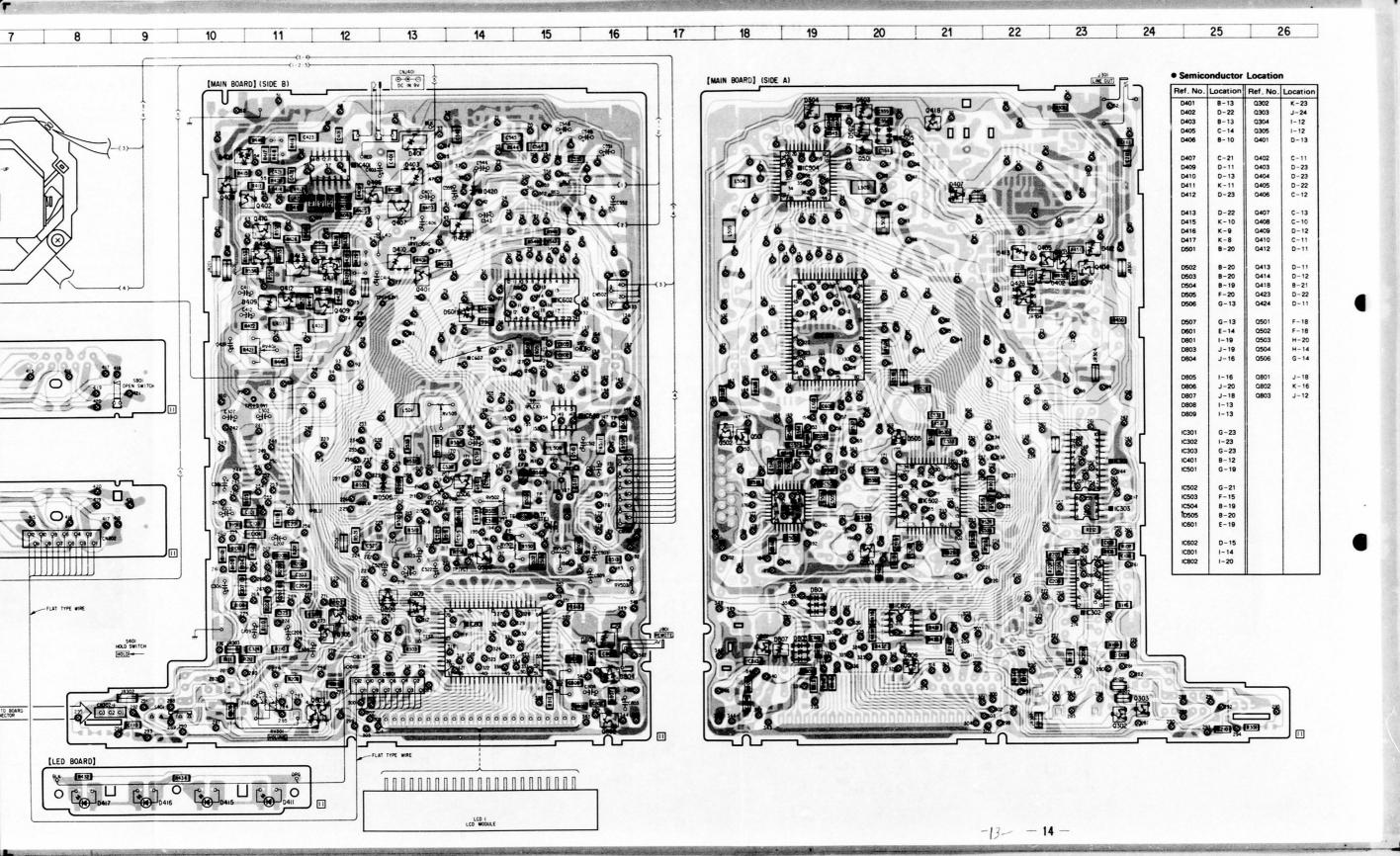
4-1. Semiconductor Lead Layouts.

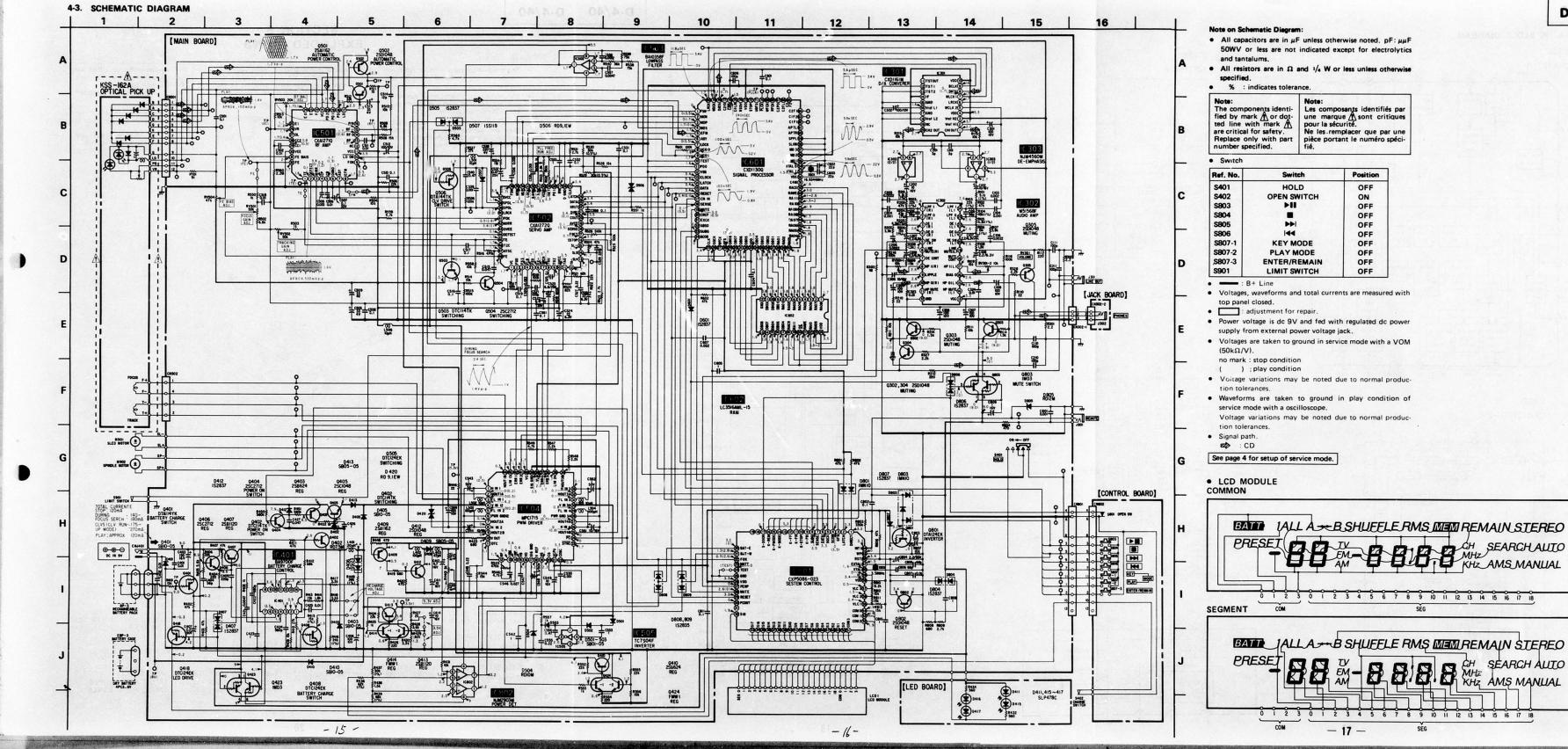
4-1. Semiconductor	Lead Layouts.		
BA10358F NJM2903M NJM4560M	CXK5816M-10L M51568FP	FMW1	RD10M-B2 RD12M-B2 RD7.5M-B1
iiii	لسسستر	3 6 d	SB01-05CP
		50-501	88
اللل		30-€_02	r#n
(TOP VEW)		1MD3	2 3 1
BA9700F	CXP5086-026Q	6	SB05-05CP
inni,	51 32 32 0 44 1 TOP VIEW	3 2 3	NC IM
CXA1271Q	MPC1715	1 0 5	SLP478C
ARRARARA	MPC1715	6	
	, "IIIII"	2SB1120	I
(Marking side view)			anode cathode
\damman\	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	
		100	
CXA1272Q-Z	TC7S04F	A C E	188123
CXA1272Q-Z	TC7S04F	BCE	15S123
	3	E10QS04	1SS123
	TC7S04F	^ 2	1SS123
	3 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	E10QS04	1SS123
CXD1130Q	DTA114YK DTA124EK	2 M NC	
	DTA114YK DTA124EK DTA144TK DTC114TK	2 M NC	
CXD1130Q	DTA114YK DTA124EK DTA144TK DTC114TK DTC124EK 2SA1162Y	2 H NC 1 3 1 2 3	
CXD1130Q	DTA114YK DTA124EK DTA144TK DTC114TK DTC114TK DTC124EK 2SA1162Y 2SB624-BV5 2SB815	2 M NC	
CXD1130Q	DTA114YK DTA124EK DTA124EK DTA124EK DTC114TK DTC124EK 2SA1162Y 2SB624-BV5 2SB815 2SC2412K 2SC2712	2 H NC 1 3 1 2 3	
CXD1130Q	DTA114YK DTA124EK DTA144TK DTC114TK DTC124EK 2SA1162Y 2SB624-BV5 2SB815 2SC2412K 2SC2712 2SC2812L7 2SD1048	2 H NC 1 3 1 2 3	152835
CXD1130Q	DTA114YK DTA124EK DTA124EK DTA144TK DTC114TK DTC114TK DTC124EK 2SA1162Y 2SB624-BV5 2SB815 2SC2412K 2SC2712 2SC2712	2 H NC 1 3 1 2 3	1S2835
CXD1130Q	DTA114YK DTA124EK DTA144TK DTC114TK DTC124EK 2SA1162Y 2SB624-BV5 2SB815 2SC2412K 2SC2712 2SC2812L7 2SD1048	1MN10 5 6	152835
CXD1130Q 64 MARKING SIDE VIEW CXD1161M-3	DTA114YK DTA124EK DTA144TK DTC114TK DTC124EK 2SA1162Y 2SB624-BV5 2SB815 2SC2412K 2SC2712 2SC2812L7 2SD1048	1MN10 5 6 1 3 1 1 1 1 1 1 1 1 1 1 1	1S2835
CXD1130Q 64 MARKING SIDE VIEW CXD1161M-3	DTA114YK DTA124EK DTA144TK DTC114TK DTC124EK 2SA1162Y 2SB624-BV5 2SB815 2SC2412K 2SC2712 2SC2812L7 2SD1048	1MN10 5 6	1S2835

Note on Mounting Diagram:

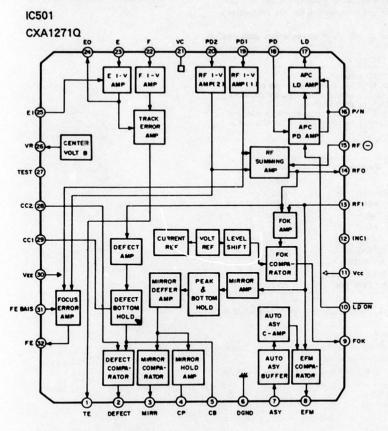
- parts extracted from the rear side.
- parts extracted from the side which is seen.
- parts mounted on the conductor side.
- ⊗ : Through hole.
- Pattern on the side which is seen.
- Pattern of the rear side.



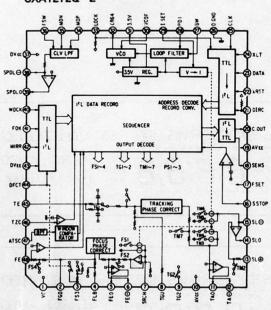


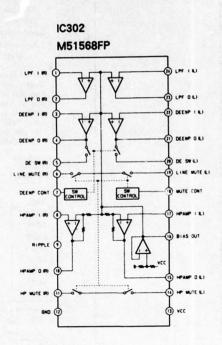


4-4. IC BLOCK DIAGRAM

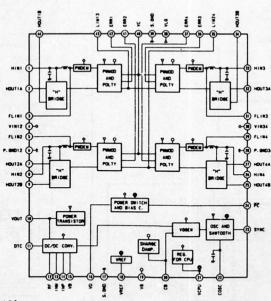




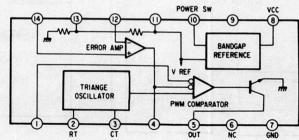


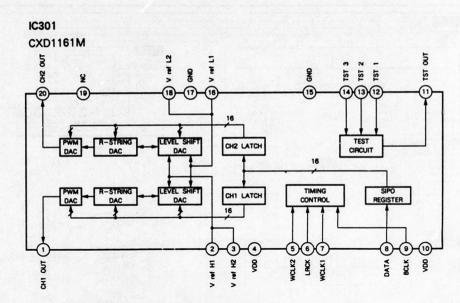


IC504 MPC1715

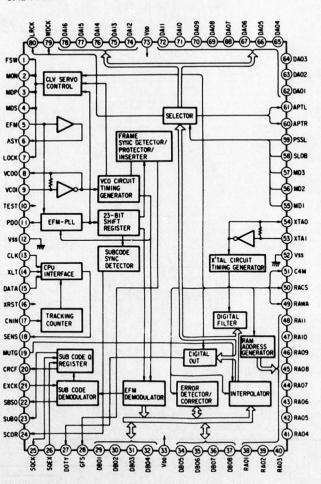


IC401 BA9700F





IC601 CXD1130Q



SECTION 5 EXPLODED VIEWS

NOTE:

(1)

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts Example: (RED) ... KNOB, BALANCE (WHITE)

Parts' Color

Cabinet's Color

The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

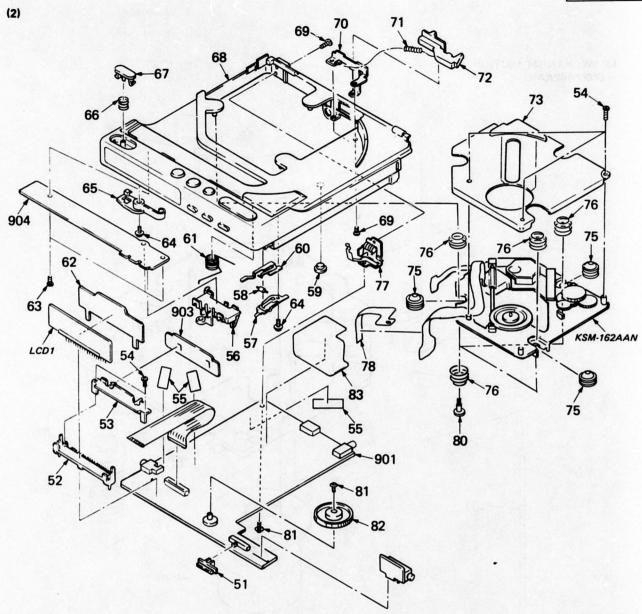
Les composants identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifé.

-10

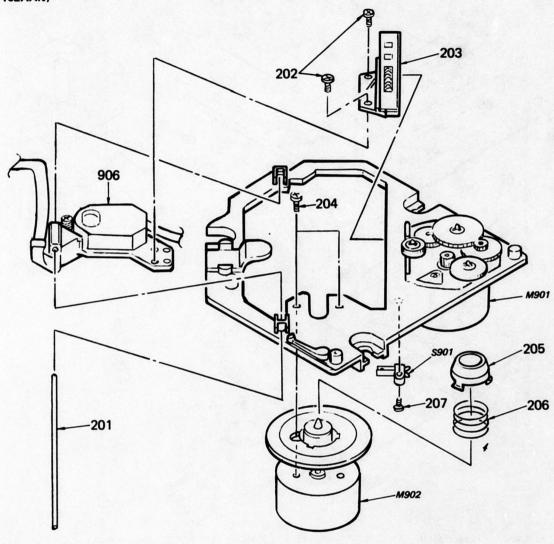
Part No.	Description	Remarks
4-908-792-61		
4-900-/92-/1	(BLACK)SCREW (BZAO), TAFFING,	
X-4924-704-1	(BLACK)PLATE ASSY , BOTTOM	
X-4924-709-1	(WHITE)PLATE ASSY , BOTTOM	
4-924-713-01	ARM, SWITCHING	
X-4924-716-1	(BLACK)LID ASSY, UPPER	
X-4924-717-1	(WHITE)LID ASSY, UPPER	
3-331-047-07	(WHITE)SCREW (M1.4X5.5), SPEC	IAL HEAD
3-331-047-08	(BLACK)SCREW (M1.4X5.5), SPEC	IAL HEAD
	4-908-792-61 4-908-792-71 X-4924-704-1 X-4924-709-1 4-924-713-01 X-4924-716-1 X-4924-717-1 3-331-047-07	4-908-792-61 (WHITE)SCREW (B2X6), TAPPING, 4-908-792-71 (BLACK)SCREW (B2X6), TAPPING, X-4924-709-1 (WHITE)PLATE ASSY, BOTTOM (WHITE)PLATE ASSY, BOTTOM 4-924-713-01 ARM, SWITCHING X-4924-716-1 (BLACK)LID ASSY, UPPER X-4924-717-1 (WHITE)LID ASSY, UPPER 3-331-047-07 (WHITE)SCREW (M1.4X5.5), SPEC

No.	Part No.	<u>Description</u> Remarks
6	4-924-714-01	SHAFT (FULCRUM)
7	4-924-734-01	(BLACK)LID, BATTERY CASE
	4-924-734-11	(WHITE)LID, BATTERY CASE
8	2 702 016 52	(D) ACK) SCOTH (M) AV2 E) SCOTH HEAD
	3-703-816-52	(BLACK)SCREW (M1.4X3.5), SPECIAL HEAD
	3-707-816-51	(WHITE)SCREW (M1.4X3.5), SPECIAL HEAD
9	4-912-641-11	FOOT, RUBBER
10	3-329-697-11	(BLACK)SCREW, STEP, PRECISION
	3-329-697-21	(WHITE)SCREW, STEP, PRECISION
12	4-885-838-00	(AEP,French)LABEL CLASS 1
13	4-924-779-01	(BLACK) LABEL, MODEL NUMBER
	4-924-779-11	(WHITE) LABEL, MODEL NUMBER



				V	
No.	Part No.	<u>Description</u> <u>Re</u>	marks No	. Part No.	<u>Description</u> <u>Remarks</u>
51	4-924-724-01 4-924-724-11	(BLACK)KNOB (HOLD) (WHITE)KNOB (HOLD)	6	8 X-4924-703-1 X-4924-708-1	
	4-324-124-11	(MILLE)KNOD (NOED)	6	9 3-707-816-51	
52 53	*4-924-730-01 4-924-781-01	HOLDER, LCD HOLDER (LED)		3-703-816-52	
			1 7	0 *4-924-721-01	BRACKET, LOCK CLAW
54		(BLACK)SCREW (1.7X4), TAPPING (B (WHITE)SCREW (1.7X4), TAPPING (B) 7	1 3-565-923-00	
	0 030 312 01	(411112)1113011211 (211111), 1111111111111111111111111111111		2 4-924-733-01	(BLACK)KNOB (LOCK CLAW)
55	9-911-838-XX	CUSHION		4-924-733-11	
56	4-924-731-01		1 7	3 *X-4924-702-1	
57		SPRING (S4U2)		*x-4924-706-1	
58		ROLLER, BS (S402)			
30	4 324 701 01	ROLLER, DO (0102)	7	5 4-924-705-01	INSULATOR (8)(MD)
59	4-924-706-01	INSULATOR (B)(CABINET)		6 4-924-710-01	
60		SPRING (BSB)(S402)		7 *x-4924-701-1	
61		SPRING, TORSION		8 4-924-761-01	
62		PLATE, LIGHT GUIDE			SCREW, INSULATOR
63	4-908-792-61	(WHITE)SCREW (B2X6), TAPPING, P1	8	1 3-335-797-21	SCREW (M1.4X3), TOOTHED LOCK
	4-908-792-71	(BLACK)SCREW (B2X6), TAPPING, P1	8	2 4-924-732-01	KNOB (VOLUME)
			8	3 4-924-784-01	SHEET, PROTECTION
64	4-924-703-01	SCREW (B1,7), TAPPING	8	4 3-703-502-31	SCREW
65		CLAW, LID LOCK			
66		SPRING, COMPRESSION	90	1 A-3015-613-A	PC BOARD ASSY, MAIN
67	4-924-760-11		90		PC BOARD, LED
			90		
				D1 1-808-354-11	
			The state of the s		

(3) MECHANISM SECTION (KSM-162AAN)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
201 202 203 204 205 206	X-2641-523-1 7-627-552-88 2-641-539-01	SCREW, PRECISION +P 1.7X4 TYPE3		M901 M902	A 8-848-081-21 X-2641-525-1 X-2641-521-1	SCREW +P 2X5 TYPE2 NON-SLIT PICKUP, OPTICAL KSS-162A MOTOR ASSY MOTOR ASSY, T.T. SWITCH, LEAF (LIMIT SWITCH)	

Note:
The components identified by mark A or dotted line with mark are critical for safety.
Replace only with part number specified.

Note:

Les composants identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 6 ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS: MF: μF, PF: μμF.

RESISTORS

- All resistors are in ohms.
 F: nonflammable

COILS

• MMH: mH, UH: μΗ

SEMICONDUCTORS

In each case, U: μ, for example: UA...: μA..., UPA...: μPA..., UPC...: μPD...

The components identified by mark \(\hat{\Lambda} \) or dotted line with mark \(\hat{\Lambda} \) are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque A sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No. Pag	rt No.	Description				Ref.No.	Part No.	Description			
902 1-6 903 *1-6	8015-613-A 526-480-11 525-771-11 848-081-21	PC BOARD ASSY PC BOARD, LED PC BOARD, CON PICKUP, OPTIC	TROL			C425 C426 C427 C429	1-163-080-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	1MF 0.047MF	10%	50V 16V 50V 16V
C102 1-1	163-086-00 124-462-00 163-212-00	CERAMIC CHIP ELECT CERAMIC CHIP	10MF	0.25PF 20% 5%	50V 16V 50V	C501 C502 C503	1-163-038-00 1-163-021-00 1-124-220-00	CERAMIC CHIP CERAMIC CHIP ELECT		10%	25 V 50 V 4 V
C105 1-1	163-205-00 163-111-00 163-013-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	56PF	5% 5% 10%	50V 50V 50V	C505 C506 C507	1-163-078-11 1-163-021-00 1-135-070-00	CERAMIC CHIP CERAMIC CHIP TANTAL. CHIP	0.01MF	10% 10% 20%	25V 50V 25V
C108 1-1	135-099-00 135-099-00 124-584-00	TANTAL. CHIP TANTAL. CHIP ELECT		20% 20% 20%	6.3V 6.3V 10V	C508 C509 C510	1-163-038-00 1-124-220-00 1-163-038-00	CERAMIC CHIP ELECT CERAMIC CHIP	33MF	20%	25V 4V 25V
C111 1-1	163-117-00 163-117-00 163-086-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	100PF	5% 5% 0.25PF	50Y 50Y 50Y	C511 C512 C513	1-163-021-00 1-124-584-00 1-124-220-00	CERAMIC CHIP ELECT ELECT	0.01MF 100MF 33MF	10% 20% 20%	50V 10V 4V
C203 1-	124-462-00 163-212-00 163-205-00	ELECT CERAMIC CHIP CERAMIC CHIP		20% 5% 5%	16 V 50 V 50 V	C514 C515 C516	1-163-095-00 1-163-117-00 1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	100PF	5% 5%	50V 50V 25V
C206 1-	163-111-00 163-013-00 135-099-00	CERAMIC CHIP CERAMIC CHIP TANTAL. CHIP	0.0022MF	5% 10% 20%	50V 50V 6.3V	C517 C518 C519	1-163-038-00 1-163-021-00 1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF	10%	25V 50V 25V
C208 1- C209 1-	135-099-00 124-584-00 163-117-00	TANTAL. CHIP ELECT CERAMIC CHIP	100MF	20% 20% 5%	6.3V 10V 50V	C520 C521 C522	1-163-037-11 1-163-117-00 1-124-239-00	CERAMIC CHIP CERAMIC CHIP ELECT		10% 5% 20%	25 V 50 V 25 V
C211 1- C301 1-	163-117-00 124-584-00 124-584-00	CERAMIC CHIP ELECT ELECT	100PF 100MF 100MF	5% 20% 20%	50V 10V 10V	C523 C524 C525	1-124-239-00 1-124-222-00 1-163-038-00	ELECT ELECT CERAMIC CHIP	6.8MF 22MF 0.1MF	20% 20%	25V 6.3V 25V
C305 1- C306 1-	124-462-00 124-584-00 124-584-00	ELECT ELECT ELECT	10MF 100MF 100MF	20% 20% 20%	16V 10V 10V	C527 C528 C529	1-163-081-00 1-124-222-00 1-163-125-00	CERAMIC CHIP ELECT CERAMIC CHIP	22MF	20% 5%	25 V 6.3 V 50 V
C324 1-	163-021-00 163-021-00 163-021-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF	10% 10% 10%	50V 50V 50V	C531 C532 C533	1-163-038-00 1-163-023-00 1-162-638-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.015MF	10% 10%	25V 50V 16V
C403 1-	163-021-00 126-357-11 163-111-00	ELECT	150MF	10% 20% 5%	50V 16V 50V	C535 C536 C537	1-163-141-00 1-163-078-11 1-135-083-00	CERAMIC CHIP CERAMIC CHIP TANTAL. CHIP	0.033MF	10% 10% 20%	50V 25V 25V
C406 1-	163-125-00 124-584-00 124-257-00	CERAMIC CHIP ELECT ELECT	220PF 100MF 2.2MF	5% 20% 20%	50V 10V 50V	C538 C539 C540	1-124-434-00 1-163-141-00 1-162-637-11	ELECT CERAMIC CHIP CERAMIC CHIP		20% 5%	10V 50V 16V
C412 1-	124-462-00 124-245-00 124-462-00	ELECT ELECT ELECT	1 OMF 4.7MF 1 OMF	20% 20% 20%	16V 16V 16V	C543 C544 C545	1-124-255-61 1-124-462-00 1-163-075-00	ELECT ELECT CERAMIC CHIP	1MF 10MF 0.047MF	20% 20% 10%	50V 16V 25V
C423 1-	-163-137-00 -162-638-11 -163-135-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	1MF	5% 5%	50V 16V 50V	C546 C547 C548	1-163-986-00 1-162-638-11 1-124-258-00	CERAMIC CHIP CERAMIC CHIP ELECT		10% 20%	25V 16V 50V

Ref.No.	Part No.	Description				Ref.No.	Part No.	Description			
C549 C550 C551 C552	1-124-462-00 1-163-141-00 1-124-462-00 1-124-255-00	CERAMIC CHIP	10MF 0.001MF 10MF 1MF	20% 5% 20% 20%	16V 50V 16V 16V	10302	8-759-805-34 8-759-630-75 8-759-745-64 8-759-939-07	IC M51568FP IC NJM4560M			
C553 C554 C555	1-162-638-11 1-162-637-11 1-163-081-00	CERAMIC CHIP	0.47MF		16V 16V 25V	10502	8-752-033-55 8-752-033-54 8-759-970-89	IC CXA1271Q IC CXA1272Q-Z IC BA10358F			
C556 C557 C558	1-163-017-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.0047MF	10% 10%	50V 50V 25V	10505	8-759-030-17 8-759-230-43 8-759-947-03	IC TC7SO4F			
C559 C561 C562	1-124-584-00 1-163-038-00 1-162-638-11	CERAMIC CHIP		20%	10V 25V 16V	10801	8-752-320-44 8-752-804-07 8-759-700-07		DL 5Q		
C601 C602 C603	1-163-101-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	22PF	5% 5%	25V 50V 50V	J301 J302 J801	1-565-311-11	JACK (LINE OUT JACK (PHONES) JACK (REMOTE)	r)		
C604 C605 C606	1-163-038-00 1-162-638-11	CERAMIC CHIP CERAMIC CHIP	0.1MF 1MF	5%	25V 16V 50V	JR102	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE	0 0	5% 5% 5%	1/8W 1/8W 1/8W
C607 C801 C802	1-161-494-00 1-163-141-00	CERAMIC CHIP	0.022 0.001MF	5%	25V 50V 25V	JR301	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE	0 0 0	5% 5% 5%	1/8W 1/8W 1/8W
C803 C804	1-124-257-00	ELECT	2.2MF 2.2MF	20% 20% 5%	50V 50V 50V		1-216-295-00 1-216-295-00		0	5% 5%	1/10W 1/10W
C805 C806 C807	1-163-113-00 1-163-021-00	CERAMIC CHIP	68PF 0.01MF	5% 10%	50V 50V 16V	L401 L402 L403	1-459-842-11 1-412-038-21 1-412-037-21	INDUCTOR CHIP	100UH		
C808 C809 C810	1-162-638-11 1-162-638-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	1MF		16V 16V	L501 L502 L503	1-412-038-21	INDUCOTR CHIP INDUCTOR CHIP INDUCTOR CHIP	100UH		
CN502	1-566-976-11 1-565-309-11	CONNECTOR, F	ECTOR 12P		257	L504 L505 L506	1-412-038-21 1-412-039-21 1-412-036-21	INDUCTOR CHIP INDUCTOR CHIP INDUCOTR CHIP	100UH		
	1-563-589-11 1-563-615-11	CONNECTOR, F				LCD1	1-808-354-11				
CNJ401 D401	1-562-961-11 8-719-200-36	JACK (DC IN				M901 M902	X-2641-525-1 X-2641-521-1	MOTOR ASSY MOTOR ASSY, T	.1.		
D402 D403	8-719-106-22 8-719-200-36	DIODE RD7.5M DIODE E10QSC	1-B1)4			Q302 Q303 Q401 Q402	8-729-159-64 8-729-159-64 8-729-901-46 8-729-902-99	TRANSISTOR 25	D596 A114YK		
D405 D406 D407	8-719-100-05	DIODE 155123 DIODE 15283				Q403 Q404	8-729-102-89	TRANSISTOR 2S TRANSISTOR 2S	B624-B C2812L	V 5	
D409 D410 D411	8-719-200-36	DIODE SB05-0 DIODE E10QS0 DIODE SLP478)4			Q405 Q406 Q407	8-729-161-01	TRANSISTOR 2S TRANSISTOR 2S	C2412K B1120		
D415 D416 D417	8-719-927-82	DIODE SLP478 DIODE SLP478 DIODE SLP478	BC			Q408 Q409 Q410	8-729-901-00 8-729-216-21 8-729-800-68	TRANSISTOR 2S	A1162Y		
D501 D502 D503	8-719-938-74	DIODE SB01-0 DIODE SB01-0	D5CP			Q412 Q413	8-729-800-36 8-729-806-75	TRANSISTOR 2S	D1048 B1120		
D601 D801 D802	8-719-951-22	DIODE 1S283 DIODE 1MN10 DIODE 1MN10				Q414 Q418 0423	8-729-903-10 8-729-901-00 8-729-907-28		C124EK		
D804 D805	8-719-100-05 8-719-106-71	DIODE 15283 DIODE RD12M	7 -B2			Q424 Q501	8-729-903-10 8-729-216-21	TRANSISTOR FN TRANSISTOR 25	M1 SA1162		
D806	8-719-100-05	DIODE 15283				0502 0503 0504	8-729-902-99	TRANSISTOR 25 TRANSISTOR DT TRANSISTOR 25	TC114TH	(

Ref.No.	Part No.	Description		Ref.No.	Part No.	Description		
Q506 Q801 Q802 Q803	8-729-903-29 8-729-901-05 8-729-159-64 8-729-907-28	TRANSISTOR DTA144TK TRANSISTOR DTA124EK TRANSISTOR 2SD596 TRANSISTOR IMD3		R422 R423 R424 R425	1-216-067-00 1-216-045-00 1-216-081-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 5 680 5 22K 5 1K 5	% 1/10W % 1/10W
R101 R102 R103	1-216-329-11 1-216-336-11 1-216-334-11	METAL GLAZE 5.1K METAL GLAZE 47K METAL GLAZE 22K	1% 1/10W 1% 1/10W 1% 1/10W	R426 R427 R428	1-216-033-00 1-216-056-00 1-216-062-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 5 2K 5 3.6K 5	% 1/10W
R104 R105 R106	1-218-160-00 1-216-328-11 1-216-333-11	METAL GLAZE 43K METAL GLAZE 4.3K METAL GLAZE 15K	1% 1/10W 1% 1/10W 1% 1/10W	R429 R430 R431	1-216-095-00 1-216-061-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 5	1/10W 1/10W 1/10W
R107	1-216-063-00	METAL GLAZE 3.9K	5% 1/10W	R432	1-216-043-00	METAL GLAZE	560 5	% 1/10W
R108	1-216-053-00	METAL GLAZE 1.5K	5% 1/10W	R434	1-216-043-00	METAL GLAZE		% 1/10W
R109	1-216-077-00	METAL GLAZE 15K	5% 1/10W	R436	1-216-694-11	METAL CHIP		.50% 1/10W
R110	1-216-009-00	METAL GLAZE 22	5% 1/10W	R437	1-216-686-11	METAL CHIP	1.5K 5	3 1/10W
R111	1-216-073-00	METAL GLAZE 10K	5% 1/10W	R438	1-216-053-00	METAL GLAZE		3 1/10W
R112	1-216-033-00	METAL GLAZE 220	5% 1/10W	R439	1-216-695-11	METAL CHIP		0.50% 1/10W
R114	1-216-053-00	METAL GLAZE 1.5K	5% 1/10W	R446	1-216-009-00	METAL GLAZE	470 5	1/10W
R115	1-216-073-00	METAL GLAZE 10K	5% 1/10W	R448	1-216-041-00	METAL GLAZE		1/10W
R116	1-216-097-00	METAL GLAZE 100K	1% 1/10W	R449	1-216-748-11	METAL GLAZE		1/10W
R201	1-216-329-11	METAL GLAZE 5.1K	1% 1/10W	R450	1-216-115-00	METAL GLAZE	560K 5	1/10W
R202	1-216-336-11	METAL GLAZE 47K	1% 1/10W	R451	1-216-115-00	METAL GLAZE		1/10W
R203	1-216-334-11	METAL GLAZE 22K	1% 1/10W	R452	1-216-049-00	METAL GLAZE		1/10W
R204	1-218-160-00	METAL GLAZE 43K	1% 1/10W	R501	1-216-024-00	METAL GLAZE	6.8K 5	1/10W
R205	1-216-328-11	METAL GLAZE 4.3K	1% 1/10W	R502	1-216-069-00	METAL GLAZE		1/10W
R206	1-216-333-11	METAL GLAZE 15K	1% 1/10W	R503	1-216-049-00	METAL GLAZE		1/10W
R207	1-216-063-00	METAL GLAZE 3.9K	5% 1/10W	R504	1-216-073-00	METAL GLAZE	22K 5	1/10W
R208	1-216-053-00	METAL GLAZE 1.5K	5% 1/10W	R506	1-216-081-00	METAL GLAZE		1/10W
R209	1-216-077-00	METAL GLAZE 15K	5% 1/10W	R508	1-216-069-00	METAL GLAZE		1/10W
R210	1-216-009-00	METAL GLAZE 22	5% 1/10W	R509	1-216-077-00	METAL GLAZE	10K 5	5% 1/10W
R211	1-216-073-00	METAL GLAZE 10K	5% 1/10W	R510	1-216-073-00	METAL GLAZE		5% 1/10W
R212	1-216-182-00	METAL GLAZE 220	5% 1/8W	R511	1-216-150-00	METAL GLAZE		5% 1/8W
R214	1-216-053-00	METAL GLAZE 1.5K	5% 1/10W	R512	1-216-085-00	METAL GLAZE	10K !	5% 1/10W
R215	1-216-073-00	METAL GLAZE 10K	5% 1/10W	R513	1-216-073-00	METAL GLAZE		5% 1/10W
R216	1-216-097-00	METAL GLAZE 100K	1% 1/10W	R514	1-216-073-00	METAL GLAZE		5% 1/10W
R301	1-216-298-00	METAL GLAZE 2.2	5% 1/10W	R515	1-216-097-00	METAL GLAZE	1M 5	5% 1/10W
R302	1-216-298-00	METAL GLAZE 2.2	5% 1/10W	R516	1-216-121-00	METAL GLAZE		5% 1/10W
R303	1-216-121-00	METAL GLAZE 1M	5% 1/10W	R517	1-216-093-00	METAL GLAZE		5% 1/10W
R327	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W	R518	1-216-097-00	METAL GLAZE	820K	1/10W
R328	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W	R519	1-216-119-00	METAL GLAZE		1/10W
R401	1-216-077-00	METAL GLAZE 15K	5% 1/10W	R520	1-216-095-00	METAL GLAZE		1/10W
R402 R403 R404	1-216-089-00 1-216-089-00 1-216-033-00	METAL GLAZE 47K METAL GLAZE 47K METAL GLAZE 220	5% 1/10W 5% 1/10W 5% 1/10W	R521 R522 R523	1-216-095-00 1-216-081-00 1-216-059-00	METAL GLAZE		5% 1/10W 5% 1/10W 5% 1/10W
R405 R406 R407	1-216-067-00 1-216-081-00 1-216-089-00	METAL GLAZE 22K	5% 1/10W 5% 1/10W 5% 1/10W	R524 R525 R526	1-216-090-00 1-216-097-00 1-216-114-00	METAL GLAZE	100K	5% 1/10W 5% 1/10W 5% 1/10W
R408 R409 R410	1-216-049-00 1-216-077-00 1-216-083-00	METAL GLAZE 15K	5% 1/10W 5% 1/10W 5% 1/10W	R528 R529 R530	1-216-077-00 1-216-686-11 1-216-686-11	METAL CHIP	30K	5% 1/10W 0.50% 1/10W 0.50% 1/10W
R411 R412 R413	1-216-089-00 1-216-093-00 1-216-077-00	METAL GLAZE 68K	5% 1/10W 5% 1/10W 5% 1/10W	R531 R532 R533	1-216-059-00 1-216-103-00 1-216-063-00	METAL GLAZE	180K	5% 1/10W 5% 1/10W 5% 1/10W
R414 R416 R417	1-216-055-00 1-216-335-11 1-216-061-00	METAL GLAZE 24K	1% 1/10W	R534 R536 R537	1-216-121-00 1-216-099-91 1-216-083-00	METAL GLAZE	120K	5% 1/10W 5% 1/10W 5% 1/10W
R418 R419 R420 R421	1-216-061-00 1-216-045-00 1-216-041-00 1-216-092-00	METAL GLAZE 680 METAL GLAZE 470	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	R538 R539 R540	1-216-094-00 1-216-094-00 1-216-086-00	METAL GLAZE	75K	5% 1/10W 5% 1/10W 5% 1/10W

Ref.No.	Part No.	Description	
R544	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R545	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R546	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R547	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R548	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R549	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R550	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R551	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R552	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R553	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R554	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R555	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R556	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R557	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R558	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R559	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R560	1-216-129-00	METAL GLAZE 2.2K 5% 1/10W	
R561	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R601	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R602	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R801	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R802	1-216-238-00	METAL GLAZE 47K 5% 1/8W	
R803	1-216-109-00	METAL GLAZE 330K 5% 1/10W	
R804	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R806	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R807	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R808	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R809	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R810	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W	
R811	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R812	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R813	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
RV301	1-237-092-11	RES, VAR, CARBON 10K/10K (VOLUME)	
RV401	1-228-993-00	RES. ADJ. CARBON 5K	
RV501	1-228-996-00	RES, ADJ, CARBON 50K	
RV502	1-228-996-00	RES, ADJ, CARBON 50K	
RV503	1-228-995-00	RES, ADJ, CARBON 20K	
RV504	1-230-526-11	RES, ADJ, CARBON 47K	
RV505	1-228-990-00	RES, ADJ, CARBON 1K	
5401	1-571-177-11	SWITCH, SLIDE (HOLD)	
S801	1-554-911-11	SWITCH, LEAF (OPEN SWITCH)	
\$803	1-554-371-51	SWITCH, TACT (PLAY/PAUSE)	
S804	1-554-371-51	SWITCH, TACT (STOP)	
\$805	1-554-371-51	SWITCH, TACT (FF)	
S806	1-554-371-51	SWITCH, TACT (REW)	
\$807	1-571-484-11	SWITCH, KEY BOARD (MODE, ENTER/REMAIN)
S901	1-570-112-11	SWITCH, LEAF (LIMIT SWITCH)	
X601	1-567-737-11	VIBRATOR, CRYSTAL, 16.9344MHz	
X801	1-567-094-00	VIBRATOR, CERAMIC, 3.58MHz	

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LABEL, MODEL NUMBER
HEADPHONE MDR-A10L/B SET
BLACK)CASE ASSY, BATTERY
WHITE)CASE ASSY, BATTERY